

**DETAILED ACTION**  
**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Summers on January 27, 2010.

The application has been amended as follows:

**IN THE CLAIMS**

**Claim 1:** A wireless communication system, comprising a remote server including a predetermined mark-up language file; a proxy server configured to communicate with said remote server, wherein said proxy server is programmed to receive a request to retrieve said predetermined mark-up language file, wherein said request is transmittable from a wireless communication device, wherein said request received from said wireless communication device is generated in response to selection of a menu item from among a plurality of menu items displayable with said wireless communication device, wherein said request comprises an identifier that identifies a location for said selected menu item within a hierarchy for said plurality of menu items, and wherein said request is to retrieve said predetermined mark-up language file, said request being in a first format that is converted into a second format by said proxy server, said second

format being used to retrieve said predetermined mark-up language file from said remote server, wherein said proxy server is configured to divide said predetermined mark-up language file into a plurality of viewable segments, said plurality of viewable segments being a predetermined number of viewable segments, including a first viewable segment, and a second viewable segment and a third viewable segment, said first viewable segment and said second viewable segment each being sized less than a display buffer and sized to fit within a viewable area of a display screen of said wireless communication device so that a whole of any one of said viewable segments and a first navigation aid are viewable at the same time in said viewable area of said display screen, wherein said proxy server is further configured to generate said first navigation aid, a second navigation aid and a third navigation aid, wherein said proxy server is further configured to transmit said first viewable segment and said navigation aid in response to said request, said navigation aid being selectable with said wireless communication device to request said second viewable segment, said navigation aid being configured to graphically indicate whether other viewable segments adjacent to said first viewable segment in the mark-up language file are above, below, right, or left of said first viewable segment, and wherein said proxy server is further configured to transmit said second navigation aid and said third navigation aid with said second viewable segment in response to upon-receipt from said wireless communication device of a selection of said first navigation aid by said wireless communication device, said second navigation aid being selectable with said wireless communication device to request said first viewable segment and said third navigation aid being selectable with

said wireless communication device to request said third viewable segment, wherein said proxy server is further configured to transmit said first viewable segment in response to receipt from said wireless communication device of selection of said second navigation aid, and wherein said proxy server is further configured to transmit said third viewable segment in response to receipt from said wireless communication device of selection of said third navigation aid.

**Claim 6:** A method of retrieving mark-up language files over a wireless communication network, comprising: receiving an encoded request transmittable from said wireless communication device, said encoded request containing a request for a predetermined mark-up language file and an identifier that identifies a location for said encoded request within a hierarchy for a plurality of encoded request; decoding said encoded request; retrieving said predetermined mark-up language file from a remote server; dividing said predetermined mark-up language file into a plurality of viewable segments, said plurality of viewable segments comprising a predetermined number of viewable segments, said plurality of viewable segments including a first viewable segment, and a second viewable segment and a third viewable segment, said first viewable segment and said second viewable segment each being sized to fit within a display buffer and sized to fit within a viewable area of a display screen of said wireless communication device; generating a first navigation aid, a second navigation aid and a third navigation aid configured to direct retrieval of one of said plurality of viewable segments, wherein

said first navigation aid and said first viewable segment or said second viewable segment are viewable simultaneously in said viewable area of said display screen, said first navigation aid being configured to graphically indicate whether other viewable segments adjacent to said first viewable segment or said second viewable segment in the mark-up language file are above, below, right, or left of said first viewable segment or said second viewable segment; transmitting said first viewable segment and said navigation aid to said wireless communication device; ~~and in response to selection of said navigation aid by said wireless communication device, transmitting said second viewable segment~~ transmitting said second navigation aid and said third navigation aid with said second viewable segment in response to receipt from said wireless communication device of selection of said first navigation aid, said second navigation aid being selectable with said wireless communication device to request said first viewable segment and said third navigation aid being selectable with said wireless communication device to request said third viewable segment; transmitting said first viewable segment in response to receipt from said wireless communication device of selection of said second navigation aid; and transmitting said third viewable segment in response to receipt from said wireless communication device of selection of said third navigation aid.

**Claim 11:** A computer network for providing information to a wireless communication device, comprising: a processor; a memory in communication with said processor, said memory configured to store proxy server logic executable by said processor to: receive a request transmittable from said wireless communication device in a first format, wherein said request is to retrieve a predetermined mark-up language file residing on a remote server, and wherein said request comprises an identifier that identifies a location for said request within a hierarchy for a plurality of requests; convert said request into a second format; transmit said request to said remote server; receive a response to said request from said remote server; separate said response into a plurality of viewable segments, said plurality of viewable segments comprising a predetermined number of viewable segments, wherein said plurality of viewable segments include a first viewable segment, ~~and~~ a second viewable segment and a third viewable segment, wherein each of said viewable segments are sized in accordance with a display buffer and sized to fit within a display of said wireless communication device so that an entirety of said first viewable segment or said second viewable segment is displayable simultaneously in said display of said wireless communication device; generate a first navigation aid, a second navigation aid and a third navigation aid; transmit said first viewable segment and said first navigation aid to said wireless communication device, wherein said first navigation aid is configured to graphically indicate whether other viewable segments adjacent to said first viewable segment in the mark-up language file are above, below, right, or left of said first viewable segment; ~~and transmit a second viewable segment to said wireless communication device in response to selection of said navigation aid with~~

said wireless communication device transmit said second navigation aid and said third navigation aid with said second viewable segment in response to receipt from said wireless communication device of selection of said first navigation aid, said second navigation aid being selectable with said wireless communication device to request said first viewable segment and said third navigation aid being selectable with said wireless communication device to request said third viewable segment, transmit said first viewable segment in response to receipt from said wireless communication device of selection of said second navigation aid, and transmit said third viewable segment in response to receipt from said wireless communication device of selection of said third navigation aid.

**Claim 15:** A wireless communication system, comprising: a remote server including a predetermined mark-up language file; a proxy server configured to communicate with said remote server, wherein said proxy server is configured to receive a request transmittable from a wireless communication device, wherein said request is to retrieve said predetermined mark-up language file, said request being in a first format that is converted to a second format by said proxy server, said second format usable to retrieve said predetermined mark-up language file from said remote server, wherein said request comprises an identifier that identifies a location for said request within a hierarchy for a plurality of requests, wherein said proxy server is further configured to divide said predetermined mark-up language file into a predetermined number of

viewable segments including a first viewable segment, ~~and~~ a second viewable segment and a third viewable segment, said first viewable segment and said second viewable segment each being sized to fit within a display of said wireless communication device so that a whole of said first viewable segment or said second viewable segment is viewable in said display, wherein said proxy server is configured to generate a first navigation aid associated with said first viewable segment, ~~and~~ a second navigation aid associated with said second viewable segment, and a third navigation aid, wherein said proxy server is further configured to transmit said first viewable segment and said first navigation aid in response to said request, said first navigation aid being selectable with said wireless communication device to request said second viewable segment, said navigation aid being configured to graphically indicate whether other viewable segments adjacent to said first viewable segment in the mark-up language file are above, below, right, or left of said first viewable segment, ~~and~~ wherein said proxy server is further configured to transmit said second viewable segment, ~~and~~ said second navigation aid and said third navigation aid upon receipt of a selection of said first navigation aid by said wireless communication device, said second navigation aid being selectable with said wireless communication device to request said first viewable segment and said third navigation aid being selectable with said wireless communication device to request said third viewable segment, wherein said proxy server is further configured to transmit said first viewable segment in response to receipt from said wireless communication device of selection of said second navigation aid, and wherein said proxy server is

further configured to transmit said third viewable segment in response to receipt from said wireless communication device of selection of said third navigation aid.

**Claim 16:** A method of retrieving mark-up language files over a wireless communication network, comprising: receiving a request for a predetermined mark-up language file from a wireless communication device, wherein said request comprises an identifier that identifies a location for said request within a hierarchy for a plurality of requests; retrieving said predetermined mark-up language file from a remote server; dividing said predetermined mark-up language file into a plurality of viewable segments that are sized to fit within a viewable area of a display screen of said wireless communication device, said plurality of viewable segments being a predetermined number of viewable segments including a first viewable segment, ~~and~~ a second viewable segment ~~and a third viewable segment~~; generating a first navigation aid, ~~and~~ a second navigation aid ~~and a third navigation aid~~ configured to direct retrieval of said second viewable segment and said first viewable segment, respectively, wherein said first navigation aid and said second navigation aid are configured to graphically indicate whether other viewable segments adjacent to said first viewable segment in the mark-up language file are above, below, right, or left of said first viewable segment transmitting said first navigation aid and said first viewable segment to said wireless communication device, a whole of said first viewable segment being viewable in its entirety simultaneously in said display screen; in response to receipt from said wireless communication device of selection of said first navigation aid, transmitting said second



navigation aid, ~~and~~ said second viewable segment and said third navigation aid to said wireless communication device, a whole of said second viewable segment being viewable in its entirety simultaneously in said display screen; ~~and~~ in response to receipt from said wireless communication device of selection of said second navigation aid, transmitting said first viewable segment and said first navigation aid to said wireless communication device, and in response to receipt from said wireless communication device of selection of said third navigation aid, transmitting said third viewable segment.

**Claim 17:** A method of retrieving mark-up language files over a wireless communication network, comprising: receiving with a proxy server a request for a predetermined mark-up language file from a wireless communication device, wherein said request comprises an identifier that identifies a location for said request within a hierarchy for a plurality of requests; retrieving with said proxy server said predetermined mark-up language file from a remote server; dividing with said proxy server said predetermined mark-up language file into a plurality of viewable segments that are sized to fit within a viewable area of a display screen of said wireless communication device, said plurality of viewable segments being a predetermined number of viewable segments including a first viewable segment, ~~and~~ a second viewable segment and a third viewable segment; generating a navigation aid configured to direct retrieval of said second viewable segment, wherein said navigation aid is a first navigation aid, and generating a second navigation aid and a third navigation aid; ~~and~~ transmitting with said proxy server said navigation aid and said first viewable segment to said wireless

communication device, said navigation aid selectable to request said second viewable segment, said navigation aid being configured to graphically indicate whether other viewable segments adjacent to said first viewable segment in the mark-up language file are above, below, right, or left of said first viewable segment, transmitting with said proxy server said second navigation aid and said third navigation aid with said second viewable segment in response to receipt from said wireless communication device of selection of said first navigation aid, said second navigation aid being selectable with said wireless communication device to request said first viewable segment and said third navigation aid being selectable with said wireless communication device to request said third viewable segment, transmitting with said proxy server said first viewable segment in response to receipt from said wireless communication device of selection of said second navigation aid, and transmitting with said proxy server said third viewable segment in response to receipt from said wireless communication device of selection of said third navigation aid.

**Claim 26:** (Canceled)

**Claim 27:** (Canceled)

**Claim 28:** A method of retrieving mark-up language files over a wireless communication network, comprising: transmitting with a proxy server a menu that includes a plurality of selectable menu items to a wireless communication device, said

menu only displayable when said wireless communication device is in communication with said proxy server, and each of said menu items associated with a respective one of a plurality of requests for predetermined mark-up language files; receiving a request for a predetermined mark-up language file from a wireless communication device based on selection of a menu item from said menu with said wireless communication device, wherein said request comprises an identifier that identifies a location for said request within a hierarchy for said plurality of requests; retrieving said predetermined mark-up language file from a remote server; dividing said predetermined mark-up language file into a plurality of viewable segments that are sized to fit within a viewable area of a display screen of said wireless communication device, said plurality of viewable segments being a predetermined number of viewable segments including a first viewable segment, ~~and~~ a second viewable segment and a third viewable segment; generating a first navigation aid and a second navigation aid configured to direct retrieval of said second viewable segment and said first viewable segment, respectively, and generating a third navigation aid; transmitting said first navigation aid and said first viewable segment to said wireless communication device, a whole of said first viewable segment being viewable in its entirety simultaneously in said display screen, said navigation aid being configured to graphically indicate whether other viewable segments adjacent to said first viewable segment in the mark-up language file are above, below, right, or left of said first viewable segment; in response to selection of said first navigation aid with said wireless communication device, transmitting said second navigation aid, ~~and~~ said second viewable segment and said third navigation aid to said

wireless communication device, a whole of said second viewable segment being viewable in its entirety simultaneously in said display screen; ~~and~~ in response to selection of said second navigation aid with said wireless communication device, transmitting said first viewable segment and said first navigation aid to said wireless communication device, and in response to selection of said third navigation aid, transmitting said third viewable segment.

### ***Allowance***

2. Claims 1, 4, 6, 10-12, 15-18, 20, 25 & 28.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASGHAR BILGRAMI whose telephone number is (571)272-3907. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tonia L.M. Dollinger can be reached on 571-272-4170. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. B./

Examiner, Art Unit 2443

/Larry Donaghue/

Primary Examiner, Art Unit 2454